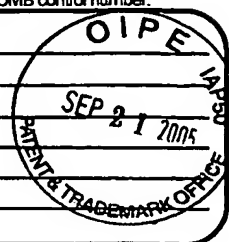


703-006.50.21

[illegible]

12/12/2005

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231**



PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Express mail No. : EV561775065US

(use as many sheets as necessary)

Sheet 1 of 4

Complete If Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|--|--------------------------------|--|---|
| | | Number Kind Code ² (if known) | | | |
| lg | AA | US-Patent Application No. 11/073,531. Filed March 7, 2005. | 03-07-2005 | Longacre et al. | |
| | AB | US-Patent Application No. 10/227,889. Filed August 26, 2002. | 03-08-2003 | Longacre et al. | |
| | AC | US-Patent Application No. 10/328,939. Filed December 23, 2002. (Attached is Office Action dated February 9, 2005.) | 08-07-2003 | Longacre et al. | |
| | AD | US-Patent Application No. 10/778,466. Filed February 13, 2004. | Filed 02-13-2004 | Longacre et al. | |
| | AE | US-Patent Application No. 10/788,808. Filed February 25, 2004. | Filed 02-25-2004 | Longacre et al. | |
| | AF | US-Patent Application No. 10/786,984. Filed February 25, 2004. | Filed 02-25-2004 | Longacre et al. | |
| | AG | US-Patent Application No. 10/793,423. Filed March 4, 2004. | Filed 03-04-2004 | Longacre et al. | |
| | AH | US-Patent Application No. 10/800,136. Filed March 12, 2004. | Filed 03-12-2004 | Longacre et al. | |
| | AI | US-Patent Application No. 10/801,937. Filed March 16, 2004. (Attached is Office Action dated April 15, 2005) | Filed 03-16-2004 | Longacre et al. | |
| | AJ | US-Patent Application No. 10/802,539. Filed March 16, 2004. (Attached is Office Action dated April 21, 2005) | Filed 03-16-2004 | Longacre et al. | |
| | AK | US-Patent Application No. 10/887,207. Filed July 8, 2004. | Filed 07-08-2004 | Longacre | |
| | AL | US-Patent Application No. 10/895,536. Filed July 23, 2004. | Filed 07-23-2004 | Longacre et al. | |
| | AM | US-4,654,514 | 03-31-1987 | Watson et al. | |
| | AN | US-4,721,849 | 01-26-1988 | Davis et al. | |
| | AO | US-4,731,525 | 03-15-1988 | Hice, John R. | |
| la | AP | US-4,761,544 | 08-02-1988 | Poland, McKee D. | |
| | AQ | US-4,825,058 | 04-25-1989 | Poland, McKee D. | |
| | AR | US-4,864,302 | 09-05-1989 | Bowers, Davis L. | |
| | AS | US-4,868,375 | 09-19-1989 | Blanford, Denis M. | |
| | | | | | |

Examiner
Signature

TILE

Date
Considered

6/12/2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express mail No. : EV561775065US

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|-----------------|-----------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| LPC | AT | US-5,120,943 | | 08-09-1992 | Benz, Reiner | |
| | AU | US-5,185,514 | | 02-09-1993 | Wike et al. | |
| | AV | US-5,274,567 | | 12-28-1993 | Kallin et al. | |
| | AW | US-5,308,966 | | 05-03-1994 | Danielson et al. | |
| | AX | US-5,428,212 | | 06-27-1995 | Tani et al. | |
| | AY | US-5,442,164 | | 08-15-1995 | Adachi, Yutaka | |
| | AZ | US-5,463,214 | | 10-31-1995 | Longacre et al. | |
| | BA | US-5,473,148 | | 12-05-1995 | Tanaka et al. | |
| | BB | US-5,485,369 | | 01-16-1996 | Nicholls et al. | |
| | BC | US-5,488,223 | | 01-30-1996 | Austin et al. | |
| | BD | US-5,491,471 | | 02-13-1996 | Stobbe, Anatoli | |
| | BE | US-5,510,606 | | 04-23-1996 | Worthington et al. | |
| | BF | US-5,539,193 | | 07-23-1996 | Gibbs et al. | |
| | BG | US-5,550,366 | | 08-27-1996 | Roustael, Alexander | |
| | BH | US-5,594,230 | | 01-14-1997 | Waite et al. | |
| | BI | US-5,600,119 | | 02-04-1997 | Dvorkis et al. | |
| | BJ | US-5,619,192 | | 04-08-1997 | Ayala, Raymond F. | |
| | BK | US-5,621,203 | | 04-15-1997 | Swartz et al. | |
| | BL | US-5,635,697 | | 06-03-1997 | Shellhammer et al. | |
| | BM | US-5,640,193 | | 06-17-1997 | Wellner, Pierre David | |
| | BN | US-5,672,858 | | 09-30-1997 | Li et al. | |
| | BO | US-5,726,435 | | 03-10-1998 | Hara et al. | |
| | BP | US-5,739,518 | | 04-14-1998 | Wang, Ynjiun P. | |
| | BQ | US-5,756,981 | | 05-26-1998 | Roustael et al. | |
| | BR | US-5,773,806 | | 06-30-1998 | Longacre, Jr., Andrew | |
| | BS | US-5,805,779 | | 09-08-1998 | Christopher et al. | |
| | BT | US-5,818,528 | | 10-08-1998 | Roth et al. | |
| | BU | US-5,821,523 | | 10-13-1998 | Bunte et al. | |
| | BV | US-5,825,006 | | 10-20-1998 | Longacre et al. | |
| | BW | US-5,834,748 | | 11-10-1998 | Durbin, Dennis A. | |
| | BX | US-5,837,986 | | 11-17-1998 | Barile et al. | |
| | BY | US-5,837,987 | | 11-17-1998 | Koenck et al. | |
| | BZ | US-5,874,722 | | 02-23-1999 | Rando et al. | |
| | CA | US-5,900,613 | | 05-04-1999 | Kozlul et al. | |
| CWA | CB | US-5,932,862 | | 08-03-1999 | Hussey et al. | |
| | CC | US-5,965,863 | | 10-12-1999 | Parker et al. | |

Examiner
Signature

T. L. C.

Date
Considered

12/14/2005

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

→

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express mail No. : EV561775065US

(use as many sheets as necessary)

Sheet 3 of 4

Complete If Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number Number Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|---|--------------------------------|--|---|
| 104 | CD | US-5,979,757 | 11-09-1999 | Tracy et al. | |
| | CE | US-6,011,880 | 01-04-2000 | Tanl et al. | |
| | CF | US-6,015,088 | 01-18-2000 | Parker et al. | |
| | CG | US-6,064,763 | 05-18-2000 | Maltsev, Pavel A. | |
| | CH | US-6,070,800 | 08-08-2000 | Fujita et al. | |
| | CI | US-6,082,619 | 07-04-2000 | Ma et al. | |
| | CJ | US-6,112,992 | 09-05-2000 | Agabra et al. | |
| | CK | US-6,129,276 | 10-10-2000 | Jelen et al. | |
| | CL | US-6,144,848 | 11-07-2000 | Walsh et al. | |
| | CM | US-6,176,428 | 01-23-2001 | Joseph et al. | |
| | CN | US-6,176,429 | 01-23-2001 | Reddersen et al. | |
| | CO | US-6,286,760 | 09-11-2001 | Schmidt et al. | |
| | CP | US-6,293,466 | 09-25-2001 | Fujita et al. | |
| | CQ | US-6,325,283 | 12-04-2001 | Chu et al. | |
| | CR | US-6,377,249 | 04-23-2002 | Mumford, John R. | |
| | CS | US-6,398,112 | 08-04-2002 | Li et al. | |
| | CT | US-6,411,199 | 08-25-2002 | Gelszler et al. | |
| | CU | US-6,412,699 | 07-02-2002 | Russell et al. | |
| | CV | US-6,424,407 | 07-23-2002 | Kinrot et al. | |
| | CW | US-6,452,179 | 09-17-2002 | Coates et al. | |
| | CX | US-6,491,223 | 12-10-2002 | Longacre et al. | |
| | CY | US-6,505,778 | 01-14-2003 | Reddersen et al. | |
| | CZ | US-6,508,404 | 01-21-2003 | Hecht, Kurt | |
| | DA | US-6,527,179 | 03-04-2003 | Itoh et al. | |
| | DB | US-6,565,003 | 05-20-2003 | Ma, Yue | |
| | DC | US-6,565,005 | 05-20-2003 | Wilz et al. | |
| | DD | US-6,606,171 | 08-12-2003 | Renk et al. | |
| | DE | US-6,672,511 | 01-08-2004 | Shellhammer, Stephen J. | |
| | DF | US-6,678,412 | 01-13-2004 | Shigekusa et al. | |
| | DG | US-6,685,095 | 02-03-2004 | Roustael et al. | |
| | DH | US-6,698,656 | 03-02-2004 | Parker et al. | |
| | DI | US-6,708,883 | 03-23-2004 | Krichever, Mark | |
| | DJ | US-6,722,569 | 04-20-2004 | Ehrhart et al. | |
| | DK | US-6,741,335 | 05-25-2004 | Kinrot et al. | |
| | DL | US-6,751,352 | 06-16-2004 | Baharav et al. | |
| 104 | DM | US-6,761,317 | 07-13-2004 | Knowles et al. | |

Examiner
Signature

T. L. E

Date
Considered

12/12/2005

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express mail No. : EV561775065US

(use as many sheets as necessary)

Sheet

4

of

4

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number Number Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|---|--------------------------------|--|---|
| 100 | DN | US-6,766,954 | 07-27-2004 | Barkan et al. | |
| | DO | US-6,827,273 | 12-07-2004 | Wiz et al. | |
| | DP | US-2003/0042311 | 03-06-2003 | Longacre, Andrew et al. | |
| | DQ | US-2003/0085282 | 05-08-2003 | Parker et al. | |
| | DR | US-2003/0146283 | 08-07-2003 | Longacre et al. | |
| | DS | US-2003/0218067 | 11-27-2003 | Parker et al. | |
| | DT | US-2004/0004128 | 01-08-2004 | Pettinelli et al. | |
| | DU | US-2004/0256485 | 12-23-2004 | Longacre, Andrew Jr. | |
| | DV | US-2004/0262393 | 12-30-2004 | Hara, Masahiro et al. | |
| | DW | US-2004/0262395 | 12-30-2004 | Longacre, Andrew Jr. | |
| | DX | US-2004/0262396 | 12-30-2004 | Longacre, Andrew Jr. | |
| | DY | US-2004/0262399 | 12-30-2004 | Longacre, Andrew Jr. | |
| 100 | DZ | US-2005/0011958 | 01-20-2005 | Carlson, Bradley S. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|--|--------------------------------|---|--|--------------------------|
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
Signature

TILE

Date

Considered

2/12/2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



→

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet 1 of 5

Complete if Known

| | |
|------------------------|----------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|-----------------|-----------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| 164 | EA | US-3,582,884 | | 08-08-1971 | Shepard | |
| | EB | US-3,663,762 | | 05-16-1972 | Joel, Jr. | |
| | EC | US-3,684,868 | | 08-15-1972 | Christie et al. | |
| | ED | US-3,723,970 | | 03-27-1973 | Stoller | |
| | EE | US-3,906,166 | | 09-16-1975 | Cooper et al. | |
| | EF | US-4,004,237 | | 01-18-1977 | Kratzer | |
| | EG | US-4,041,391 | | 08-09-1977 | Deerkoski | |
| | EH | US-4,097,847 | | 06-27-1978 | Forsen et al. | |
| | EI | US-4,114,155 | | 09-12-1978 | Raab | |
| | EJ | US-4,164,628 | | 08-14-1979 | Ward et al. | |
| | EK | US-4,210,802 | | 07-01-1980 | Sakai | |
| | EL | US-4,291,410 | | 09-22-1981 | Caples et al. | |
| | EM | US-4,315,245 | | 02-09-1982 | Nakahara et al. | |
| | EN | US-4,435,822 | | 03-06-1984 | Spencer et al. | |
| | EO | US-4,445,118 | | 04-24-1984 | Taylor et al. | |
| | EP | US-4,488,678 | | 12-18-1984 | Hara et al. | |
| | EQ | US-4,488,679 | | 12-18-1984 | Bockholt et al. | |
| | ER | US-4,500,776 | | 02-19-1985 | Laser | |
| | ES | US-4,538,060 | | 08-27-1985 | Sakai et al. | |
| | ET | US-4,542,528 | | 09-17-1985 | Sanner et al. | |
| | EU | US-4,561,089 | | 12-24-1985 | Rouse et al. | |
| | EV | US-4,610,359 | | 09-09-1988 | Muller | |
| | EW | US-4,628,532 | | 12-09-1988 | Stone et al. | |
| | EX | US-4,636,624 | | 01-13-1987 | Ishida et al. | |
| | EY | US-4,639,932 | | 01-27-1987 | Schiff | |
| | EZ | US-4,644,523 | | 02-17-1987 | Horwitz | |
| | FA | US-4,646,353 | | 02-24-1987 | Tenge et al. | |
| | FB | US-4,653,076 | | 03-24-1987 | Jerrim et al. | |
| | FC | US-4,686,363 | | 08-11-1987 | Schoon | |
| | FD | US-4,690,530 | | 09-01-1987 | Fujino et al. | |
| | FE | US-4,710,817 | | 12-01-1987 | Ando | |
| | FF | US-4,570,057 | | 07-12-1986 | Chadima, Jr. et al. | |
| | FG | US-4,785,463 | | 11-15-1988 | Janc et al. | |
| | FH | US-4,791,446 | | 12-13-1988 | Ishida et al. | |
| | FI | US-4,807,256 | | 02-21-1989 | Holmes et al. | |
| | FJ | US-4,818,856 | | 04-04-1989 | Matsushima et al. | |

Examiner
Signature

T. I. L. E

Date
Considered

2/12/2005

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet

2

of

5

Complete if Known

Application Number

10/802,539

Filing Date

March 16, 2004

First Named Inventor

Longacre, Jr.

Art Unit

2876

Examiner Name

Le, Thien Minh

Attorney Docket Number

703-006.50.21

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|-----------------|-----------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| LPU | FK | US-4,841,544 | | 06-20-1989 | Nuytkens | |
| | FL | US-4,877,949 | | 10-31-1988 | Danielson et al. | |
| | FM | US-4,901,073 | | 02-13-1990 | Kibrick | |
| | FN | US-4,908,500 | | 03-13-1990 | Baumberger | |
| | FO | US-4,942,474 | | 07-17-1990 | Akimoto et al. | |
| | FP | US-5,019,699 | | 05-28-1991 | Koenck | |
| | FQ | US-5,113,445 | | 05-12-1992 | Wang | |
| | FR | US-5,138,140 | | 08-11-1992 | Siemiatkowski et al. | |
| | FS | US-5,153,421 | | 10-06-1992 | Tandon et al. | |
| | FT | US-5,212,777 | | 05-18-1993 | Gove et al. | |
| | FU | US-5,245,695 | | 09-14-1993 | Basehore | |
| | FV | US-5,262,871 | | 11-16-1993 | Wilder et al. | |
| | FW | US-5,288,960 | | 02-15-1994 | Longacre, Jr. et al. | |
| | FX | US-5,294,783 | | 03-15-1994 | Hammond, Jr. et al. | |
| | FY | US-5,311,001 | | 05-10-1994 | Joseph et al. | |
| | FZ | US-5,319,185 | | 06-07-1994 | Obata | |
| | GA | US-5,331,178 | | 06-19-1994 | Sanf Anselmo et al. | |
| | GB | US-5,345,266 | | 09-06-1994 | Denyer | |
| | GC | US-5,354,977 | | 10-11-1994 | Roustaei | |
| | GD | US-5,378,883 | | 01-03-1995 | Batterman et al. | |
| | GE | US-5,392,447 | | 02-21-1995 | Schlack et al. | |
| | GF | US-5,398,054 | | 03-07-1995 | Krichever et al. | |
| | GG | US-5,401,949 | | 03-28-1995 | Ziemack et al. | |
| | GH | US-5,414,251 | | 05-09-1995 | Durbin | |
| | GI | US-5,420,409 | | 05-30-1995 | Longacre, Jr. et al. | |
| | GJ | US-5,430,286 | | 07-04-1995 | Hammond, Jr. et al. | |
| | GK | US-5,461,425 | | 10-24-1995 | Fowler et al. | |
| | GL | US-5,471,515 | | 11-28-1995 | Fossum et al. | |
| | GM | US-5,471,592 | | 11-28-1995 | Gove et al. | |
| | GN | US-5,478,997 | | 12-26-1995 | Bridgelall et al. | |
| | GO | US-5,504,524 | | 04-02-1996 | Lu et al. | |
| | GP | US-5,521,366 | | 05-28-1996 | Wang et al. | |
| | GQ | US-5,537,431 | | 07-18-1996 | Chen et al. | |
| | GR | US-5,545,886 | | 08-13-1996 | Mellitsky et al. | |
| | GS | US-5,572,006 | | 11-05-1996 | Wang et al. | |
| | GT | US-5,585,616 | | 12-17-1996 | Roxby et al. | |

Examiner
Signature

T. LE

Date

Considered

12/12/2005

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for

Patents, Washington, DC 20231



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet

3

of

5

Complete If Known

| | |
|------------------------|----------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|-----------------|-----------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| Long | GU | US-5,591,956 | | 01-07-1997 | Longacre, Jr. et al. | |
| | GV | US-5,598,007 | | 01-28-1997 | Bunce et al. | |
| | GW | US-5,610,387 | | 03-11-1997 | Bard et al. | |
| | GX | US-5,663,549 | | 09-02-1997 | Katz et al. | |
| | GY | US-5,665,959 | | 09-09-1997 | Fossum et al. | |
| | GZ | US-5,668,803 | | 09-18-1997 | Tymes et al. | |
| | HA | US-5,703,349 | | 12-30-1997 | Meyerson et al. | |
| | HB | US-5,723,823 | | 03-03-1998 | Bell | |
| | HC | US-5,723,853 | | 03-03-1998 | Longacre, Jr. et al. | |
| | HD | US-5,723,868 | | 03-03-1998 | Hammond, Jr. et al. | |
| | HE | US-5,774,357 | | 06-30-1998 | Hoffberg et al. | |
| | HF | US-5,780,834 | | 07-14-1998 | Havens et al. | |
| | HG | US-5,784,102 | | 07-21-1998 | Hussey et al. | |
| | HH | US-5,814,803 | | 09-29-1998 | Olmstead et al. | |
| | HI | US-5,831,254 | | 11-03-1998 | Karpen et al. | |
| | HJ | US-5,831,674 | | 11-03-1998 | Ju et al. | |
| | HK | US-5,841,121 | | 11-24-1998 | Koenck | |
| | HL | US-5,841,126 | | 11-24-1998 | Fossum et al. | |
| | HM | US-5,875,108 | | 02-23-1999 | Hoffberg et al. | |
| | HN | US-5,877,487 | | 03-02-1999 | Tani et al. | |
| Long | HO | US-5,917,171 | | 06-29-1999 | Sasai | |
| | HP | US-5,920,477 | | 07-06-1999 | Hoffberg et al. | |
| | HQ | US-5,926,214 | | 07-20-1999 | Denyer et al. | |
| | HR | US-5,929,418 | | 07-27-1999 | Ehrhart et al. | |
| | HS | US-5,949,052 | | 09-07-1999 | Longacre, Jr. et al. | |
| | HT | US-5,949,054 | | 09-07-1999 | Karpen et al. | |
| | HU | US-5,949,056 | | 09-07-1999 | White | |
| | HV | US-5,979,768 | | 11-09-1999 | Koenck | |
| | HW | US-5,984,186 | | 11-16-1999 | Tafuya | |
| | HX | US-5,986,297 | | 11-16-1999 | Guidash et al. | |
| Long | HY | US-6,003,008 | | 12-14-1999 | Postrel et al. | |
| | HZ | US-6,017,496 | | 01-25-2000 | Nova et al. | |
| | IA | US-6,119,179 | | 09-12-2000 | Whitridge et al. | |
| | IB | US-6,123,264 | | 09-26-2000 | Li et al. | |
| | IC | US-6,155,488 | | 12-05-2000 | Olmstead et al. | |
| | ID | US-6,155,491 | | 12-05-2000 | Dueker et al. | |

Examiner
Signature

TILE

Date
Considered

12/12/2005

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet

4

of

5

Complete if Known

| | |
|------------------------|----------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|----------|-----------------|-----------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| 105 | IE | US-6,161,760 | | 12-19-2000 | Marrs et al. | |
| | IF | US-6,170,749 B1 | | 01-09-2001 | Goren et al. | |
| | IG | US-6,176,429 | | 01-23-2001 | Reddersen et al. | |
| | IH | US-6,186,404 | | 02-13-2001 | Ehrhart et al. | |
| | II | US-6,215,992 B1 | | 04-10-2001 | Howel et al. | |
| | IJ | US-6,284,105 | | 07-24-2001 | Longacre, Jr. et al. | |
| | IK | US-6,278,605 | | 08-21-2001 | Olmstead et al. | |
| | IL | US-6,329,139 B1 | | 12-11-2001 | Nova et al. | |
| | IM | US-6,347,183 B2 | | 02-12-2002 | Roustaei | |
| | IN | US-6,360,948 | | 03-26-2002 | Yang et al. | |
| | IO | US-6,462,842 B1 | | 10-08-2002 | Hamilton | |
| | IP | US-6,486,911 B1 | | 11-26-2002 | Denyer et al. | |
| | IQ | US-6,493,029 B1 | | 12-10-2002 | Denyer et al. | |
| | IR | US-6,505,778 B1 | | 01-14-2003 | Reddersen et al. | |
| | IS | US-6,512,218 | | 01-28-2003 | Canini et al. | |
| | IT | US-6,547,139 B1 | | 04-15-2003 | Havens et al. | |
| | IU | US-6,547,142 B1 | | 04-15-2003 | Goren et al. | |
| | IV | US-6,552,323 | | 04-22-2003 | Guidash et al. | |
| | IW | US-6,552,746 B1 | | 04-22-2003 | Yang et al. | |
| | IX | US-6,585,159 B1 | | 07-01-2003 | Meier et al. | |
| | IY | US-6,606,171 B1 | | 08-12-2003 | Renk et al. | |
| | IZ | US-6,634,558 B1 | | 12-21-2003 | Patel et al. | |
| | JA | US-6,637,658 B2 | | 04-03-2003 | Barber et al. | |
| | JB | US-6,665,012 B1 | | 12-16-2003 | Yang et al. | |
| | JC | US-6,714,239 | | 03-30-2004 | Guidash | |
| | JD | US-6,732,929 B2 | | 05-11-2004 | Good et al. | |
| | JE | US-6,714,665 B1 | | 03-30-2004 | Hanna et al. | |
| | JF | US-6,736,321 B2 | | 05-18-2004 | Tsikos et al. | |
| | JG | US-6,739,511 B2 | | 05-25-2005 | Tsikos et al. | |
| | JH | US-6,742,707 B1 | | 08-01-2004 | Tsikos et al. | |
| | JI | US-6,732,930 B2 | | 05-11-2004 | Massieu et al. | |
| | JJ | US-6,832,729 B1 | | 12-21-2004 | Perry et al. | |
| | JK | US-6,837,432 B2 | | 01-04-2005 | Tsikos et al. | |
| | JL | US-6,854,649 B2 | | 2-15-2005 | Worner et al. | |
| | JM | US-6,857,570 B2 | | 02-22-2005 | Tsikos et al. | |
| | JN | US-6,858,159 | | 02-22-2005 | Lyons | |

Examiner
Signature

TILE

Date

Considered

12/12/2005

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet 5 of 5

Complete If Known

Application Number 10/802,539
Filing Date March 16, 2004
First Named Inventor Longacre, Jr.
Art Unit 2876
Examiner Name Le, Thien Minh
Attorney Docket Number 703-006.50.21

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|--------------------|-----------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| 10/23 | JO | US-8,863,216 | | 03-08-2005 | Tsikos et al. | |
| | JP | US-2002/0158127 | | 10-31-2002 | Hori et al. | |
| | JQ | US-2003/0082418 A1 | | 10-28-2003 | Barber et al. | |
| 10/23 | JR | US-2005/0103851 | | 05-19-2005 | Zhu et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---------------------------|---------------------|-----------------------------------|--------------------------------|---|--|--------------------------|
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| 10/23 | JS | EP | 0 449 634 A2 | | 10/2/1991 | OMNIPLANAR, INC. | | <input type="checkbox"/> |
| | JT | WO | 93/14458 | | 7/22/1993 | EASTMAN KODAK COMPANY | | <input type="checkbox"/> |
| | JU | WO | 93/17397 | | 9/2/1993 | Roustaei | | <input type="checkbox"/> |
| | JV | WO | 95/32580 | | 11/30/1995 | POLAROID CORPORATION | | <input type="checkbox"/> |
| | JW | JP | 2000-092317 A | | 3/31/2000 | FUJI PHOTO FILM CO., LTD. | | |
| | JX | WO | 93/18478 | | 9/16/1993 | Norand Corp. | | |
| 10/23 | JY | WO | 97/08647 | | 3/6/1997 | PSC, Inc. | | |

Examiner
Signature

TILE

Date
Considered

12/12/2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|------------------------|--------------------------|---|----------------|
| by | JZ | JAKL, EDWARD A., "Why CMOS Image Sensors are Poised to Surpass CCDs," International IC '99, Conference Proceedings, 1999, pp. 64-71. | |
| I | KA | TIAN, Hui et al., "Analysis of 1/f Noise in Switched MOSFET Circuits," Information Systems Laboratory, Electrical Engineering Department, Stanford University, Stanford, California 94305, April 24, 2001, 21 pp. | |
| | KB | EL GAMAL, Professor A., Lecture Notes 1, 2, 4, 5, 6, 7, 10 and Handout #3 and #28, "Image Sensors and Digital Cameras" for EE 392B, Spring 2001. | |
| cor | KC | FOSSUM, ERIC R., CMOS Active Pixel Image Sensors, Nuclear Instruments and Methods in Physics Research A 395 (1997) 291-297. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|-------|--------------------|------------|
| Examiner Signature | STILE | Date Considered | 12/12/2005 |
|-----------------------|-------|--------------------|------------|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Unsaved Document



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Institute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet 1 of 3

Complete If Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number Kind Code ² (if known) | | | |
| [Signature] | KD | US-4,794,239 | 12-27-1988 | Allias | |
| | KE | US-4,874,936 | 10-17-1989 | Chandler et al. | |
| | KF | US-4,896,029 | 01-23-1990 | Chandler et al. | |
| | KG | US-4,998,010 | 03-05-1991 | Chandler et al. | |
| | KH | US-5,153,418 | 10-06-1992 | Batterman et al. | |
| | KI | US-5,180,904 | 01-19-1993 | Shepard et al. | |
| | KJ | US-5,189,292 | 02-23-1993 | Batterman et al. | |
| | KK | US-5,223,701 | 06-29-1993 | Batterman et al. | |
| | KL | US-5,235,167 | 08-10-1993 | Dvorkis et al. | |
| | KM | US-5,250,792 | 10-05-1993 | Swartz et al. | |
| | KN | US-5,266,787 | 11-30-1993 | Mazz et al. | |
| | KO | US-5,272,323 | 12-21-1993 | Martino | |
| | KP | US-5,278,400 | 01-04-1994 | Denyer et al. | |
| | KQ | US-5,278,398 | 01-11-1994 | Pavlidis et al. | |
| | KR | US-5,304,786 | 04-19-1994 | Pavlidis et al. | |
| | KS | US-5,304,787 | 04-19-1994 | Wang | |
| | KT | US-5,324,924 | 06-28-1994 | Cai et al. | |
| | KU | US-5,343,028 | 08-30-1994 | Figarella et al. | |
| | KV | US-5,345,266 | 09-06-1994 | Denyer | |
| | KW | US-5,365,048 | 11-15-1994 | Komiya et al. | |
| | KX | US-5,347,114 | 09-13-1994 | Tanaka | |
| | KY | US-5,378,881 | 01-03-1995 | Adachi | |
| | KZ | US-5,412,197 | 05-02-1995 | Smith | |
| | LA | US-5,418,862 | 05-23-1995 | Zheng et al. | |
| | LB | US-5,422,470 | 06-06-1995 | Kubo | |
| | LC | US-5,422,744 | 06-06-1995 | Katz et al. | |
| LD | US-5,428,211 | 06-27-1995 | Zheng et al. | | |
| LE | US-5,430,283 | 07-04-1995 | Tanaka | | |
| LF | US-5,438,636 | 08-01-1995 | Surka | | |
| LG | US-5,477,042 | 12-19-1995 | Wang | | |
| LH | US-5,478,999 | 12-26-1995 | Figarella et al. | | |
| LI | US-5,487,115 | 01-23-1996 | Surka | | |
| LJ | US-5,489,769 | 02-06-1996 | Kubo | | |
| LK | US-5,504,524 | 04-02-1996 | Lu et al. | | |
| LL | US-5,524,068 | 06-04-1996 | Kacandes et al. | | |
| LM | US-5,525,787 | 06-11-1996 | Kubo | | |
| Examiner Signature | | Date Considered | | 12/14/2005 | |

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet 2 of 3

Complete If Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|-----------------|-----------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| 6544 | LN | US-5,565,669 | | 10-15-1996 | Liu | |
| | LO | US-5,591,955 | | 01-07-1997 | Laser | |
| | LP | US-5,812,524 | | 03-18-1997 | Sant'Anselmo et al. | |
| | LQ | US-5,821,203 | | 04-15-1997 | Swartz et al. | |
| | LR | US-5,637,849 | | 06-10-1997 | Wang et al. | |
| | LS | US-5,659,431 | | 08-19-1997 | Ackley | |
| | LT | US-5,691,773 | | 11-25-1997 | Wang et al. | |
| | LU | US-5,698,833 | | 12-16-1997 | Skinger | |
| | LV | US-5,702,059 | | 12-30-1997 | Chu et al. | |
| | LW | US-5,710,417 | | 01-20-1998 | Joseph et al. | |
| | LX | US-5,714,745 | | 02-03-1998 | Ju et al. | |
| | LY | US-5,717,195 | | 02-10-1998 | Feng et al. | |
| | LZ | US-5,773,810 | | 06-30-1998 | Hussey et al. | |
| | MA | US-5,783,811 | | 07-21-1998 | Feng et al. | |
| | MB | US-5,784,102 | | 7-21-1998 | Hussey et al. | |
| | MC | US-5,814,801 | | 09-29-1998 | Wang et al. | |
| | MD | US-5,818,023 | | 10-06-1998 | Meyerson et al. | |
| | ME | US-5,867,594 | | 02-02-1999 | Cymbalski | |
| | MF | US-5,867,595 | | 02-02-1999 | Cymbalski | |
| | MG | US-5,917,945 | | 06-29-1999 | Cymbalski | |
| m | MH | US-5,926,214 | | 07-20-1999 | Denyer et al. | |
| | MI | US-5,942,741 | | 08-24-1999 | Longacre, Jr. et al. | |
| | MJ | US-5,979,763 | | 09-09-1999 | Wang et al. | |
| | MK | US-6,019,286 | | 02-01-2000 | Li et al. | |
| | ML | US-6,053,407 | | 04-25-2000 | Wang et al. | |
| | MM | US-6,067,113 | | 05-23-2000 | Hurwitz et al. | |
| | MN | US-6,129,278 | | 10-10-2000 | Wang et al. | |
| | MO | US-6,014,501 | | 01-11-2000 | Fukuda et al. | |
| | MP | US-6,179,208 B1 | | 01-30-2001 | Feng | |
| | MQ | US-6,264,105 B1 | | 07-24-2001 | Longacre, Jr. et al. | |
| m | MR | US-6,331,901 B1 | | 12-18-2001 | Fukuda et al. | |
| | MS | US-6,431,452 B2 | | 08-13-2002 | Feng | |
| | MT | US-6,575,367 B1 | | 06-10-2003 | Longacre, Jr. | |
| | MU | US-6,637,658 B2 | | 10-28-2003 | Barber et al. | |
| | MV | US-6,655,595 B1 | | 12-02-2003 | Longacre, Jr. et al. | |
| | MW | US-6,814,290 B2 | | 11-09-2004 | Longacre | |

Examiner
Signature

TILE

Date
Considered

12/12/2005

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | |
|--|---|--------------------------|----------------------|
| Substitute for form 1449A/PTO | | Complete If Known | |
| | | Application Number | 10/802,539 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT Express Mail No.: EV561775065US (use as many sheets as necessary) | | Filing Date | March 16, 2004 |
| | | First Named Inventor | Andrew Longacre, Jr. |
| | | Art Unit | 2876 |
| | | Examiner Name | Le, Thien Minh |
| | | Attorney Docket Number | 703-006.50.21 |
| Sheet | 3 | of | 3 |

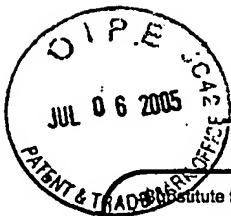
| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------------------|---------------------------|--|--------------------------------|---|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ | Number ⁴ Kind Code ⁵ (if known) | | | | |
| LM | MX | JP | 07-049822 Full text JP reference with Full English Translation | 02-21-1995 | | | <input type="checkbox"/> |
| LM | MY | JP | 07-085104 Full text JP reference and translation provided in corresponding US Patent 5,473,148 attached | 03-10-1995 | | | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> |
| | | | | | | | <input type="checkbox"/> |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | | | |
|-----------------------|-----|--------------------|------------|
| Examiner Signature | TUE | Date Considered | 12/12/2005 |
|-----------------------|-----|--------------------|------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Institute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|------------------------|--------------------------|---|----------------|
| Lon | MZ | JP Patent Application 8-159625 Translated Japanese Office Action in the English language, April 18, 2005. | |
| | NA | ROGER C. PALMER, The Bar Code Book, Second Addition, June, 1991, Helmers Publishing, Inc., Peterborough, New Hampshire, pgs. 11-108. | |
| | NB | VLSI VISON LTD., High Resolution EIA/CCIR Monochrome Monolithic Camera Specification, VVL-1060, April 1994, pgs. 1-23. | |
| | NC | VLSI VISION LTD., Serial Interface Specification, VVL-1060, April 1994, pgs. 1-9. | |
| | ND | VLSI VISION LTD., Engineering Evaluation Kit Specification, VVL-1070, September 27, 1994, pgs. 1-5. | |
| Lon | NE | MARSHALL ELECTRONICS, Monochrome Monolithic Image Sensor with Analogue and Digital Outputs Specification, VVL-1070, pgs. 1-24, believed to be published prior to April 1995. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Examiner
Signature

TILE

Date
Considered

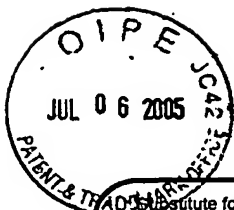
12/12/2005

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Unsaved Document



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Sheet 1 of 1

Complete If Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|-----------------|-----------------------------------|--------------------------------|--|---|
| | | Number | Kind Code ² (if known) | | | |
| Lru | NF | US-4,075,481 | | 02-1978 | Wu et al. | |
| | NG | US-4,251,798 | | 02-1981 | Swartz et al. | |
| | NH | US-4,289,957 | | 09-1981 | Neyroud et al. | |
| | NI | US-4,782,220 | | 11-1988 | Shuren | |
| | NJ | US-4,825,057 | | 04-1989 | Swartz et al. | |
| | NK | US-4,835,713 | | 05-1989 | Pastor | |
| | NL | US-4,893,333 | | 01-1990 | Baran et al. | |
| | NM | US-4,973,829 | | 11-1990 | Ishida et al. | |
| | NN | US-5,159,635 | | 10-1992 | Wang | |
| | NO | US-5,196,686 | | 03-1993 | Leister | |
| | NP | US-5,208,449 | | 05-1993 | Eastman et al. | |
| | NQ | US-5,241,164 | | 08-1993 | Pavlidis et al. | |
| | NR | US-5,243,655 | | 09-1993 | Wang | |
| | NS | US-5,247,166 | | 09-1993 | Gannon et al. | |
| | NT | US-5,291,564 | | 03-1994 | Shah et al. | |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---------------------------|---------------------|-----------------------------------|--------------------------------|---|--|--------------------------|
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| Lru | NU | EP | 0 385 478 A2 | | 09-05-1990 | Symbol Technologies, Inc. | | <input type="checkbox"/> |
| | NV | EP | 0 385 478 A3 | | 09-05-1990 | Symbol Technologies, Inc. | | <input type="checkbox"/> |
| | NW | EP | 0 561 334 A2 | | 09-22-1993 | Symbol Technologies, Inc. | | <input type="checkbox"/> |
| | NX | EP | 0 571 892 A2 | | 12-01-1993 | United Parcel Service of America, Inc. | | <input type="checkbox"/> |
| | NY | EP | 0 584 559 A2 | | 03-02-1994 | United Parcel Service of America, Inc. | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Examiner
Signature

TILE

Date

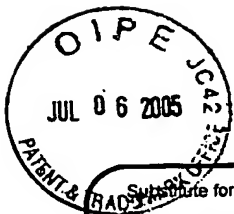
Considered

12/12/2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



→

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| | | | |
|--|------|--------------------------|----------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT Express Mail No.: EV561775065US (use as many sheets as necessary) | | Complete if Known | |
| | | Application Number | 10/802,539 |
| | | Filing Date | March 16, 2004 |
| | | First Named Inventor | Andrew Longacre, Jr. |
| | | Art Unit | 2876 |
| | | Examiner Name | Le, thien Minh |
| Sheet 1 | of 1 | Attorney Docket Number | 703-006.50.21 |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|-----------------------|---|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| Low | NZ | WELCH ALLYN, Hand Held CCD Scanner/Decoder, SCANTEAM 3000 Instant Interface Series, July 1994, 2pgs. | |
| Low | OA | SYMBOL EXPRESS, 1995 Product Catalog, January 1995, 4pgs. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|------|-----------------|------------|
| Examiner Signature | TILE | Date Considered | 12/12/2005 |
|--------------------|------|-----------------|------------|

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Unsaved Document



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Express Mail No.: EV561775065US

(use as many sheets as necessary)

Complete If Known

| | |
|------------------------|----------------------|
| Application Number | 10/802,539 |
| Filing Date | March 16, 2004 |
| First Named Inventor | Andrew Longacre, Jr. |
| Art Unit | 2876 |
| Examiner Name | Le, Thien Minh |
| Attorney Docket Number | 703-006.50.21 |

Sheet 1 of 1

U.S. PATENT DOCUMENTS

| Examiner | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------|-----------------------|--|--------------------------------|--|---|
| | | Number Kind Code ² (if known) | | | |
| | OB | US-5,241,164 | 08-31-1993 | Pavlidis et al. | |
| | OC | US-5,262,626 | 11-16-1993 | Goren et al. | |
| | OD | US-5,278,398 | 01-11-1994 | Pavlidis | |
| | OE | US-5,466,921 | 11-14-1995 | Lapinski et al. | |
| | OF | US-5,481,103 | 01-02-1996 | Wang | |
| | OG | US-5,493,108 | 02-20-1996 | Cherry et al. | |
| | OH | US-5,495,097 | 02-27-1996 | Katz et al. | |
| | OI | US-5,510,604 | 04-23-1996 | England | |
| | OJ | US-5,548,107 | 08-20-1996 | Lapinski et al. | |
| | OK | US-5,548,108 | 08-20-1996 | Moldskred et al. | |
| | OL | US-5,686,715 | 11-11-1997 | Watanabe et al. | |
| | OM | US-5,821,519 | 10-13-1998 | Lee et al. | |
| | | | | | |
| | | | | | |

| | | | |
|-----------------------|--|--------------------|------------|
| Examiner Signature | | Date Considered | 12/12/2005 |
|-----------------------|--|--------------------|------------|

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| | | | |
|--|---|--------------------------|----------------------|
| Substitute for form 1449B/PTO | | Complete if Known | |
| | | Application Number | 10/802,539 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT Express Mail No.: EV561775065US (use as many sheets as necessary) | | Filing Date | March 16, 2004 |
| | | First Named Inventor | Andrew Longacre, Jr. |
| | | Art Unit | 2876 |
| | | Examiner Name | Le, Thien Minh |
| | | Attorney Docket Number | 703-006.50.21 |
| Sheet | 1 | of | 1 |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
|---|--------------------------|---|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| lon | ON | REPORT BY APPLICANTS, Report summarizing references of record in applications of which priority is claimed (Application No. 09/385,597, Application No. 08/839,020 and Application No. 08/697,913), June 2005 | |
| lon | OO | REPORT BY APPLICANTS, Report categorizing references submitted by applicants, June, 2005. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|-------------|--------------------|-------------------|
| Examiner Signature | <i>FILE</i> | Date Considered | <i>12/12/2005</i> |
|-----------------------|-------------|--------------------|-------------------|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Unsaved Document